

## ABSTRACT

A method and an apparatus for reverberation processing, mainly utilizing a fact that a human's hearing can identify the audio quality in 50ms, and combines a high quality filter module and a low quality filter module. The high  
5 quality filter module will produce audio signals with high quality reverberation effects in a finite period of time from the beginning; after that the reverberation effects are provided by the low quality filter module. Therefore, reverberation effects with long duration, simpler hardware and superior quality can be reached.